

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(10/527201).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/25 09:35
S2	1	10/527201	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 09:35
S3	1712	((427/596) or (204/157.15)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/25 09:41
S4	147	S3 and ((graphite adj2 like layered material) or graphite or h adj2 bn or hexagonal boron nitride)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 09:46
S5	1	S4 and (stone adj3 wales)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 09:48
S6	15	S4 and (hopg or nanotube or (bc adj2 n) or highly oriented layered graphite)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 09:51
S7	213611	((graphite adj2 like layered material) or graphite or h adj2 bn or hexagonal boron nitride)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 09:57
S8	12	S7 and (stone adj3 wales)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 09:57
S9	236741	((graphite adj2 like layered material) or graphite or h adj2 bn or hexagonal boron nitride or nanotube or fullerene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:00
S12	13671	S9 and (structur\$ relax\$ or anneal\$ or photoexcit \$)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:11

S13	309	S12 and (dangl\$8 bond or unbond\$8 hand)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:13
S14	29	S13 and (vacancy )	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:15
S15	29	S13 and (vacancy)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:46
S16	22895	reactive and layer\$8 and (graphite or h adj2 bn or hexagonal boron nitride or highly oriented layered graphite or hopg or nanotube or "bc.sub.2n")	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:53
S17	16079	S16 and (dangl\$8 bond or unbond\$8 hand or unbond\$8 or bond\$8)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 13:57
S18	4068	S17 and (vacancy or vacant or defect)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 14:00
S19	1198	S18 and (anneal\$8 or photoexcit\$8 or structur\$8 relax\$8)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 14:07
S20	1	S19 and (stone adj2 wales)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 14:10
S21	1187	S19 and (introduc\$8 or add\$6)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 14:19
S22	14	stone adj2 wales	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 14:20

S23	1	pyracylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/03/25 14:30
S24	50	(("6891324") or ("20050077813") or ("20060049033") or ("3655206") or ("5634645") or ("4378415") or ("4858817") or ("4862763") or ("4886966") or ("4888029") or ("4983451") or ("5104425") or ("5378991") or ("5512215") or ("5652476") or ("5837331") or ("5959710") or ("6086745") or ("H001872") or ("6395426") or ("6423453") or ("6579626") or ("6625854") or ("6692026") or ("6844085") or ("6872330") or ("6882517") or ("6972513") or ("7052757") or ("7056598") or ("7073561") or ("7087318") or ("7141117") or ("RE39554") or ("7259124") or ("7261951") or ("7296453") or ("20020182823") or ("20030099853") or ("20030157409") or ("20030209103") or ("20030224168") or ("20040012327") or ("20040060417") or ("20040131860") or ("20040149081") or ("20040149082") or ("20040149083") or ("20050074576") or ("20050127329") or (""). pn.)).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/03/25 17:00

S25	0	("stoneadj2wales)or (pyracylene)").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/22 16:40
S26	16	(stone adj2 wales) or (pyracylene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/22 16:40
S27	1	("5300203").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/23 15:23
S28	239846	((("427") or ("423")).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 16:12
S29	303107	((("427") or ("423") or ("204")).CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 16:13
S30	136388	("427").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 16:13
S31	105417	("423").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 16:14
S32	70196	("204").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/04/24 16:14
S33	232496	nanotube or graphite or hexagonal boron nitride	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:24
S34	214463	electron beam	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:25
S36	297350	anneal\$ or photoexcit\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:26
S37	2260	S33 and S34 and S36	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:26
S40	1165	S33 and S34 and S36 and reactive	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:29
S41	158	S40 and S30	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:29

S42	83	S40 and S31	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:34
S43	45	S40 and S32	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:39
S44	387	stone and wales	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:42
S45	11	S44 and nanotube	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 16:42
S46	7	pentagon NEAR heptagon near defect near pair	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/24 17:39
S47	7	("5300203"   "5348936"   "5395496"   "5489477"   "5591312"   "5744399"   "5993697").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 17:47
S48	31	("5110577"   "5401975"   "5626812").PN. OR ("5993697").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 18:39
S49	1	pentaheptite	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/04/24 18:45
S50	214463	electron beam	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 13:16
S51	2	electron beam with (remove or dislocate or vacancy) and anneal\$ and introduc\$ atom	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 13:47
S52	253	electron beam with (remove or dislocate or vacancy) and anneal\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 13:48

S53	25	S52 and nanotube	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 13:49
S54	1038	metallic carbon	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:01
S55	239	S54 and S50	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:01
S56	138	S55 and (anneal\$ or relax \$)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:02
S57	5	"6518150"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:17
S58	2095	nanotube and doping	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:19
S59	560	S58 and S50	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:19
S60	277	S59 and anneal\$	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 14:19
S61	0	(five adj2 sever) defect	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 16:36
S62	0	(five adj2 seven) defect	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 16:37

S63	13	(five adj2 seven) WITH defect	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/04/25 16:37
S64	108	(977/847).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 14:34
S65	19	("5401975"   "5482601"   "5591312"   "5626812"   "5753088").PN. OR ("6280677").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/10 14:48
S66	59	(977/745).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/10 14:57
S67	15111	(graphite or nano\$1tube or fullerene) and (electron beam or e\$1beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:01
S68	4818	(graphite or nano\$1tube or fullerene) and (electron beam or e\$1beam) and rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:02
S69	671	(graphite or nano\$1tube or fullerene) and ((electron beam or e \$1beam) same rotat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:03
S70	14	(graphite or nano\$1tube or fullerene) and ((electron beam or e \$1beam) same dangling bond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:09
S71	23	(graphite or nano\$1tube or fullerene) and ((electron beam or e \$1beam) same rotat\$4 same bond)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:10
S72	73	(graphite or nano\$1tube or fullerene) and ((electron beam or e \$1beam) same rotat\$4 same carbon)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:11

S73	95	(graphite or nano\$1tube or fullerene) and ((electron beam or e \$1beam) same surface modification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/02/10 15:12
S74	2	pentaheptite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/07 13:56
S75	32	stone with wales	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/07 14:18
S76	24011	(graphite or nanotube or nano tube) and defect	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/07 14:21
S77	721	(graphite or nanotube or nano tube) and defect and dangling	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/07 14:21
S78	251	(graphite or nanotube or nano tube) and defect and dangling and (ebeam or e beam or electron beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/08/07 14:21
S79	35	("5110577"   "5401975"   "5626812").PN. OR ("5993697").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/08/07 14:23

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